

What is Claimed is:

1. A cooking chamber assembly in a microwave oven, comprising:

a case having a cooking chamber formed therein and an opening in a front part;

a tray provided in the case to form a bottom of the cooking chamber; and

5 a unitary gasket having an inner edge surrounding an edge of the tray, and a part of outer surface in close contact with an inside surface of the case.

2. The cooking chamber assembly as claimed in claim 1, wherein the gasket includes a groove caved along the inner edge for inserting the edge of the tray.

10 3. The cooking chamber assembly as claimed in claim 1, wherein the gasket further includes a lip projected from the outer edge of the gasket to outward to be continuous along the outer edge so as to be in contact with opposite insides and rear side of the inner case for enhancing close contact with an inside surface of the case.

15 4. The cooking chamber assembly as claimed in claim 3, wherein the lip is sloped such that an end thereof is directed an outward upper side of the gasket.

5. The cooking chamber assembly as claimed in claim 1, wherein the gasket has a top
20 surface sloped such that a height of the outer edge is higher than a height of the inner edge.

6. The cooking chamber assembly as claimed in claim 1, wherein the gasket is formed of rubber.

7. The cooking chamber assembly as claimed in claim 5, wherein the rubber is silicone.

5 8. The cooking chamber assembly as claimed in claim 6, wherein the gasket is formed separate from the tray.

9. The cooking chamber assembly as claimed in claim 6, wherein the gasket is formed as a unit with the tray by insert molding.

10 10. The cooking chamber assembly as claimed in claim 1, further comprising an air duct mounted on an upper part of an inside of the case to form a ceiling of the cooking chamber for providing an air circulation passage.

15 11. The cooking chamber assembly as claimed in claim 10, wherein the air duct is fixed to the upper part of the inside of the case directly by means of hooks.

12. The cooking chamber assembly as claimed in claim 11, wherein the air duct includes a panel forming a ceiling surface of the cooking chamber, walls around the panel, a plurality of apertures for passing of air, a flange extended horizontally to forward from a top of the front wall, one of the walls, adjacent to the opening, and a plurality of elastic hooks each extended upward from the wall, and

the case includes a plurality of inserting holes in an upper part for inserting, and fastening the hooks.

13. The cooking chamber assembly as claimed in claim 12, wherein the air duct further includes a plurality of projections projected backward from the rear wall opposite to the front wall, and

5 the case further includes a plurality of holes in an inside of rear wall for receiving and holding the projections.

14. The cooking chamber assembly as claimed in claim 12, wherein the hook is provided to the front wall.

10 15. The cooking chamber assembly as claimed in claim 12, wherein the hook includes;

 an elastic body extended upward from the wall, and

 a wedge formed head having a predetermined gap between a bottom surface of the
15 head and a top surface of the flange.

16. The cooking chamber assembly as claimed in claim 15, wherein the gap is the same with, or smaller than a thickness of a part the inserting hole is formed therein.

20 17. The cooking chamber assembly as claimed in claim 16, wherein the case includes a bracket attached to an upper surface of an inside of the case having the inserting holes formed therein.

18. A cooking chamber assembly in a microwave oven, comprising:

a case having a cooking chamber formed therein and an opening in a front part; and
an air duct fixed to an inside of an upper part the case directly by hooks, having a
bottom surface forming a ceiling surface of the cooking chamber, and provides an air
circulating passage.

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19. The cooking chamber assembly as claimed in claim 18, wherein the air duct
includes a panel forming a ceiling surface of the cooking chamber, walls around the panel, a
plurality of apertures for passing of air, and a plurality of elastic hooks each extended upward
from the wall, and

10 the case includes a plurality of inserting holes in an upper part for inserting, and
fastening the hooks.

20. The cooking chamber assembly as claimed in claim 19, wherein the hook is
provided to the front wall of the walls adjacent to the opening.

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21. The cooking chamber assembly as claimed in claim 20, wherein the air duct
further includes a flange extended horizontally to forward from a top of the front wall.

22. The cooking chamber assembly as claimed in claim 19, wherein the air duct
20 further includes a plurality of projections projected backward from the rear wall opposite to
the front wall, and

the case further includes a plurality of holes in an inside of rear wall for receiving and
holding the projections.

23. The cooking chamber assembly as claimed in claim 21, wherein the hook includes;

an elastic body extended upward from the wall, and

5 a wedge formed head having a predetermined gap between a bottom surface of the head and a top surface of the flange.

24. The cooking chamber assembly as claimed in claim 23, wherein the gap is the same with, or smaller than a thickness of a part the inserting hole is formed therein.

10 25. The cooking chamber assembly as claimed in claim 24, wherein the case includes a bracket attached to an upper surface of an inside of the case having the inserting holes formed therein.